Weekly Report

09/14
choose capstone topic
choose interpretable machine learning frameworks
09/21
literature review
choose datasets and models
Write Proposal
09/28
look into DeepLIFT samples
10/05
environment setup
find bugs when conversing vgg16 using Deeplift
10/12
work on sample code of SHAP
10/19
prepare for Midterm presentation
apply SHAP (deepexplainer, gradientexplainer, kernelexplainer) and deeplift to hand digit model
10/26
Apply LIME to hand digit dataset
11/02
Delve into deep shap
Finetune vgg on CIFAR-10
11/09
Finetune vgg16 on fashion dataset
Use deep shap to explain
11/15
Use gradient shap and kernel shap to explain fashion model
Organize GitHub repo
11/23
Apply deeplift, lime to fashion
11/30
Prepare slides
Live presentation
Start to write paper
12/07
Record one-minute video
Full record of presentation
Write Paper (Journal)
Write final report
Organize github repo